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LUMINARY Memo # 202

To: Distribution  
From: D. Densmore  
Date: 16 February 1971  
Subject: Luminary Revision 204

The following changes were incorporated into Revision 204: fixes to PCRs 348, 324, 1127, 1091 and 1122, and 2 cosmetic changes.

- 1) (PCR 348) P76 erasable OPTFLAG was moved from location 1243, where it shared with MASS, to location 1235 where it will share with GDT/2, AOTCODE, STARCODE, and TMPDV. MASS is not Servicer storage, as its erasable comment incorrectly states, but DAP storage. It therefore ought not to share.
- 2) (PCR 324) The clearing of AGSCODE was moved from DUMMYAD in V37 to DSPOFF in STARTSUB2 so that it will be cleared in all types of restarts.
- 3) (PCR 1127) N46 now displays two registers, DAP configuration in R1 and CHANBKUP in R2. The call for it was therefore changed to a V04N46 instead of a V01N46. The old constant for the VN, used only for the one call, was replaced by the new constant.
- 4) (PCRs 1091, 1134) Error reset was changed not to touch the new DAP light or the new super key release light. Formerly a constant GL+NOATT was CAFed to mask out the gimbal lock and no attitude lights from the error resetting. A new constant GL, ETC, was defined to also mask out the new lights. Since there were no other references to GL+NOATT the new constant replaced it.

## COSMETIC CHANGES.

- 4) (PCR 1044) FLT59FLG was added to the alphabetic flag list.
- 5) (PCR 1091, 1134) The comment saying which bits of DSPTAB +11D are to be turned on in a light test was updated incorrectly when the DAP light and super keyrelease light bits were added to the constant. The comment was corrected in this revision.

### GSOP Impact:

The following item should be examined for possible impact on the GSOP Section:

Section 2                      item 4

### Corrections to Previous Luminary Assembly Memos:

- 1) Memo #175 about Rev. 182:  
Item 13 is implementation of ACB L-39.
- 2) Memo #193 about Rev. 199:  
PCR 1122 was disapproved. The change described was performed under PCR 1134.
- 3) Memo #192 about Rev. 196:  
On item 3 the description of PCR 1107 should specify channel 30 bit 5, not channel 30 bit 6.